# EXPO MODULAR SURFACE 1650LM 38D WHITE MATT TEXTURE 840 12W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 272318 |
| **Ingress protection:** | IP20 |
| **Rated power of the luminaire [W]*:** | 12 |
| **Luminous flux [lm]*:** | 1650 |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **Material of the body:** | aluminium |
| **Colour of the body:** | white matt texture |
| **Optics:** | reflector |
| **Beam angle [°]:** | 38 |

## CHARACTERISTICS

Expo Modular — a tool for creating a carefully considered lighting design. EXPO Modular is a projector luminaire developed from the ground up, offering users a range of new functionalities. Low UGR glare effect, precise optics, high CRI, the possibility of expanding the luminaire's functionality or giving it an individual character through a wide range of accessories such as ecoPET screens or accessories such as unusual shades, screens and covers made with 3D printing. The luminaire's design ensures optimal thermal performance and allows for changing the lighting angles, as well as customising the colour of the ring and body. EXPO Modular is a high-quality aluminium projector with a COB LED light source. Versatile application with a track system. No ultraviolet or infrared radiation, high colour rendering index, high luminous efficacy and long service life. 38° mirror reflector — balanced, natural display light. The 38° version provides a soft, even light spot with a gentle edge and soft transition, making it ideal for offices to highlight visual communication elements, as well as boutiques or elegant delicatessens, where visual comfort is as important as the legibility of the display. It is a light that 'breathes' with the space, creating an eye-friendly light distribution — it emphasises materials and their texture without excessive contrast, creates natural product modelling and allows you to build light-perceived interiors that are a balance between the sharpness of narrow beams and the soft filling of wide beams, while ensuring sufficiently good face modulation.

## APPLICATION

The light from the 38° mirror reflector creates a balanced, natural, and harmonious illumination that seamlessly integrates with the surroundings. Its even luminance distribution and smooth beam edge make it ideal for spaces requiring high-quality visual perception. This lighting subtly highlights materials, textures, and colors, ensuring natural product shaping without excessive contrast or over-dramatizing the display.This light pattern perfectly suits the needs of offices, where it supports the clarity of visual communication, as well as boutiques and elegant delicatessens, where visual comfort is as important as the attractiveness of the displayed goods. It is also used in exhibitions, museums, and markets, providing a base layer of light for medium-scale displays, and anywhere where a natural perception of space and products is important.

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## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 272318 |
| **EAN:** | 5905963272318 |
| **Light source:** | COB |
| **Rated power of the luminaire [W]:** | 12 |
| **Supply voltage [V]:** | 220-240 |
| **Frequency [Hz]:** | 0/50/60 |
| **Luminous flux [lm]:** | 1650 |
| **Luminous efficacy [lm/W]:** | 138 |
| **Energy efficiency class:** | C |
| **Electrical protection class:** | II |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **SDCM:** | 3 |
| **Power factor:** | 0.98 |
| **Beam angle [°]:** | 38 |
| **Optics material:** | aluminium |
| **Optics:** | reflector |
| **Material of the body:** | aluminium |

| | |
|---|---|
| **Colour of the body:** | white matt texture |
| **Dimensions (H/W/T/S) [mm]:** | 267.9/202/ø82 |
| **Mounting dimensions [mm]:** | 50(2xø5) |
| **Ingress protection:** | IP20 |
| **Mounting version:** | surface |
| **Dimensions of single box [mm]:** | 245/230/90 |
| **Number on the palette [pcs]:** | 270 |
| **Net weight [kg]:** | 1.145 |
| **Gross weight [kg]:** | 1.255 |
| **LED lifespan L70B50 [h]:** | 50000 |
| **LED lifespan L80B10 [h]:** | 100000 |
| **Working temperature [°C]:** | from 0 to +35 |
| **Photobiological safety:** | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| **Warranty [years]:** | 5 |
| **CE certificate:** | 156/2025 |
| **Manual:** | Download PDF |
| **ISO Certificates:** | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |
| **Plik LDT:** | Download |

Card creation date: 13 March 2026

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. * Parameter tolerance is +/- 10%

This product is a subject to electric andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 156/2025

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